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ATTORNEY DOCKET NO.  
075949.0112

PATENT APPLICATION  
10/786,782

1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Allen L. Gilmer, et al.  
Serial No. 10/786,782 ✓  
Filing Date: February 25, 2004  
Group Art Unit: 2857  
Examiner: Donald E. McElheny Jr.  
Title: *Method of Seismic Exploration by Discriminating Horizontal and Vertical Shear Waves*

**MAIL STOP AF**  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

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I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Willie Jiles*

Willie Jiles

**REPLACEMENT RESPONSE TO EXAMINER'S ACTION**

In response to the Advisory Action mailed December 1, 2005, Applicants respectfully request the Examiner to reconsider the claims in view of the amendments and the comments as set forth below. Applicants respectfully request the Examiner to accept this response as a replacement to the response filed October 5, 2005. The Advisory Action indicates that a

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2

complete listing of the claims was not present in the response filed October 5, 2005. Applicants file this replacement response to address the indication in the Advisory Action. Please amend the Application as follows: